

### **AMENDMENT TO THE SPECIFICATION**

Please amend the Abstract as set forth hereinbelow.

A resonant optical filter including a includes first and second transmission optical waveguides and a resonator, which resonator may include resonator (including one or more resonator segments evanescently optically coupled resonator segments) therebetween. The resonator supports ~~a~~ at least one circumferential resonant optical mode and is evanescently coupled to each of the first and second transmission optical the waveguides. ~~In a preferred embodiment, an~~ An optical signal entering the resonant optical filter through the first transmission optical a waveguide and substantially resonant with an optical resonance of the resonator is substantially transferred to the second transmission optical other waveguide, ~~waveguide and leaves the resonant optical filter through the second transmission optical waveguide,~~ while an optical signal entering the resonant optical filter through the first transmission optical waveguide and substantially non-resonant with an optical resonance of the coupled optical resonator system substantially the resonator remains in the first transmission optical same waveguide. ~~waveguide and leaves the resonant optical filter through the first transmission optical waveguide. Where a resonator includes multiple resonator segments, the~~ Multiple resonator segments of the preferred embodiments are on the same optical may be formed on a common resonator fiber and positioned sufficiently close together to enable optical for enabling coupling between them so as to provide them, resulting in a tailored frequency filter function. ~~function for optically coupling first and second transmission optical waveguides.~~ The resonators may be further provided with one or more include alignment structures structure(s) (flanges, grooves, etc) including flanges and/or grooves for enabling passive positioning and/or supporting first and second transmission optical ~~waveguides including optical fibers and waveguides,~~ such as optical fiber tapers. Structures may also be provided for suppressing undesired optical modes and/or resonances associated with the resonators and/or alignment structures on the optical resonator fiber.